

From: [Kenneth R Broome](#)
To: [Harland, Eli@Energy](#)
Subject: Comments for EPIC Implementation Workshop
Date: Tuesday, February 17, 2015 10:18:43 AM

In response to your notice regarding the subject workshop, I have the following comments for consideration during this Workshop.

My comments relate to the Program Opportunity Notice PON-14-307, titled Demonstrating Clean Energy Solutions that Support California's Industries, the Environment, and the Electrical Grid.

My firm, known as K.R. Broome and Associates, has developed a new method of generating renewable hydro-electric power from very Low-head Dams on Irrigation Canals and Navigable Rivers, that was shown to be potentially cost-competitive at a small dam near Lost Hills, that was funded by the California Energy Commission under PIER Program Contract No. 500-97-037.

Subsequent Design Optimization Tests were performed under EISG Grant No. 08-18, that showed that the Overshot Configuration was more efficient than the Undershot Jet Arrangement. We are now ready to demonstrate a commercial-scale application of the Overshot Broome Turbine, that would be potentially cost-competitive on most of the 200 Low-head dams on Irrigation Canals in California, and many of the Navigation Lock-dams on major Rivers in the Mid-Western States.

At first glance, it appeared that PON-14-307 was just what we had been waiting for. As it turned out however, the main emphasis was on Improvements to Community Distribution Systems with almost no coverage of Demonstration of New Methods of Generation.

I requested information on any future PON's that would be more appropriate, but have never received a reply

Generation and Distribution are two such different technologies, that I doubt that many engineering firms would be able to respond to a PON that required innovative submittals to both technologies, simultaneously.

I am therefore requesting that the California Energy Commission issue a new PON that requests submittals only of applications to demonstrate New Technology for Generation of Renewable Energy and a separate PON for innovations in the Design of Community Distribution Systems.

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